



Tetra Tech EM Inc.

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MEMORANDUM

US EPA RECORDS CENTER REGION 5



434231

Date: 04 Apr 02

To: Anne Busher, Project Manager, Tetra Tech EM Inc. (Tetra Tech)

Superfund Technical Assessment and Response Team (START) for Region 5

From: Nancy McDonald, Chemist, Tetra Tech START for Region 5

Subject: Data Validation for

Sam Winer Site

Cleveland, Ohio

Analytical Technical Direction Document (TDD) No. S05-0112-006

Project TDD No. S05-0012-004

Laboratory: EnChem Inc. (EnChem), Madison, Wisconsin

Work Order No. 920509

Total Metals, Volatile Organic Compound (VOC), Semivolatile Organic Compound (SVOC), Organochlorine Pesticides (Pesticides), and Polychlorinated Biphenyl (PCB) Analyses of Six Water Samples, One Field Blank, One Equipment Rinsate Blank, and One Trip Blank

1.0 INTRODUCTION

The Tetra Tech START for Region 5 validated total metals, VOC, SVOC, pesticides, and PCB analytical data for six water samples, one field blank, one equipment rinsate, and one trip blank collected on 19 and 20 Feb 02 during a site assessment of the Sam Winer site in Cleveland, Ohio. The samples were analyzed under the above-referenced work order by EnChem using U.S. Environmental Protection Agency (U.S. EPA) SW-846 Methods 6020 and 7470A for total metals analysis, 8260B for VOC analysis, 8270C for SVOC analysis, 8081A for pesticides analysis, and 8082 for PCB analysis. In addition, a lower detection limit was needed for benzo(a)pyrene than that achieved during the standard SVOC analysis. Therefore, Tetra Tech requested that EnChem reanalyze the samples for benzo(a)pyrene using U.S. EPA SW-846 Method 8270C, Selective Ion Monitoring (SIM), to achieve the lower detection limit.

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The data were validated in general accordance with U.S. EPA's "Contract Laboratory Program National Functional Guidelines for Organic Data Review" dated Oct 99 and "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review" dated Feb 94. Organic data validation consisted of a review of the following quality control (QC) parameters: holding times, a gas chromatograph/mass spectrometer (GC/MS) instrument performance check, initial and continuing calibrations, blank results, surrogate results, matrix spike and matrix spike duplicate (MS/MSD) results, laboratory control sample and laboratory control sample duplicate (LCS/LCSD) results, internal standard (IS) area counts, and target compound identification. Inorganic data validation consisted of a review of the following QC parameters: holding times, initial and continuing calibrations, blank results, LCS results, interference check sample (ICS) results, and MS/MSD results.

Section 2.0 discusses the results of the organic data validation, Section 3.0 discusses the results of the inorganic data validation, and Section 4.0 presents an overall assessment of the data. The attachment to this memorandum contains EnChem's summary of analytical results as well as START's handwritten data qualifications where warranted.

2.0 ORGANIC DATA VALIDATION RESULTS

The results of START's organic data validation are summarized below in terms of the QC parameters reviewed. The data qualifiers below were applied to the sample analytical results where warranted (see the attachment).

- J - The compound was detected. The reported numerical value is considered estimated for QC reasons.
- U - The analyte was analyzed for but not detected. The reported numerical value is the sample detection limit.

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2.1 HOLDING TIMES

The samples were analyzed within the holding time limits of (1) 7 days to extraction and 40 days from extraction to analysis for SVOCs, pesticides, and PCBs, and (2) 14 days to analysis for VOCs.

2.2 GC/MS INSTRUMENT PERFORMANCE CHECK

The decafluorotriphenylphosphine and bromofluorobenzene instrument performance checks met the QC abundance criteria for the SVOC and VOC analyses, respectively. In addition, the chromatographic resolution was adequate for the pesticides and PCB analyses.

2.3 INITIAL AND CONTINUING CALIBRATIONS

For the SVOC and VOC analyses, the relative standard deviation (RSD) from the initial calibration result was less than or equal to the QC limit of 30 percent for the target compounds detected. The continuing calibration results were less than or equal to the QC limit of 25 percent difference between the initial calibration relative response factor and the continuing calibration relative response factor for the target compounds detected.

For the pesticides analysis, all calibration factors (CF) were less than or equal to the QC limit of 20 percent RSD in the initial calibration. The CFs were less than or equal to the QC limit of 25 percent difference between the CF for the initial calibration curve and the CF for the continuing calibration.

For the PCB analysis, the initial calibration result was within the QC limit of less than or equal to 20 percent RSD for the average of the five CFs for a single Aroclor. The continuing calibration standards were within the QC limit of less than or equal to 15 percent difference between the mean CF for the initial calibration curve and the CF for the continuing calibration.

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2.4 BLANK RESULTS

During the VOC, SVOC, pesticides, and PCB analyses, method blanks were run with each analytical batch. No target analytes were detected in the blanks. Field blank and equipment rinsate samples were free of target compound contamination with the following exception. For the VOC analysis, low-level concentrations of bromodichloromethane and chloroform were detected in the equipment rinsate sample. No qualifications are required because these compounds were not detected in the associated samples. A low concentration of acetone was also detected in the trip blank sample. Because acetone was detected in sample No. 1S-SWM at less than 10 times the trip blank concentration (before the dilution factor was applied), the acetone result for this sample was flagged "U" and considered not detected.

2.5 SURROGATE RESULTS

For the VOC, SVOC, pesticides, and PCB analyses, surrogate recoveries were within the QC limits established by the laboratory with the following exception. For the SVOC analyses, surrogates were diluted out in sample No. 1S-SWM. No qualifications are warranted for this minor irregularity.

2.6 MS/MSD RESULTS

MS and MSD samples were not analyzed during the organic analyses. No qualifications were applied for this data gap.

2.7 LCS/LCSD RESULTS

For the VOC, SVOC, pesticides, and PCB analyses, an LCS/LCSD was analyzed with the samples in each analytical batch. The LCS/LCSD results were within the QC limits specified by the laboratory.

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2.8 IS AREA COUNTS

For the SVOC and VOC analyses, the IS area counts were within the QC limits of -50 to +100 percent of those for the calibration standard. The retention times for the ISs were also within the QC limit of \pm 30 seconds. IS area counts do not apply to the pesticides or PCB analyses.

2.9 TARGET COMPOUND IDENTIFICATION

For the PCB analyses, a spot check of the chromatograms confirmed that no target compounds were detected in the samples. A spot-check of the chromatograms for the VOC, SVOC, and pesticides analyses confirmed the target compound identifications for the samples. For the pesticides analyses, relative percent differences (RPD) between GC quantitation column and confirmation column results for alpha-chlordane, gamma-chlordane, and delta-BHC were greater than 40 percent in sample No. 1S-SWM. Therefore, results for these compounds were flagged "J" as estimated. Also, because of an extremely high RPD (100 percent) for gamma-BHC in sample No. 1S-SWM, the gamma-BHC result for the sample was considered not detected by EnChem. The reporting limit was raised accordingly.

3.0 INORGANIC DATA VALIDATION RESULTS

The results of START's inorganic data validation are summarized below in terms of the QC parameters reviewed.

3.1 HOLDING TIMES

All the samples were analyzed within the holding time limits of (1) 28 days for mercury and (2) 6 months for other metals.

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3.2 INITIAL AND CONTINUING CALIBRATIONS

During the initial and continuing calibrations, recoveries were within the QC limits of 80 to 120 percent for mercury and 90 to 110 percent for all other metals.

3.3 BLANK RESULTS

Appropriate blanks, such as initial calibration blanks, continuing calibration blanks, and method blanks, were run with each analytical batch. No target analytes were detected in the blanks at concentrations above the instrument detection limits.

3.4 LCS RESULTS

An LCS was analyzed with each analytical batch. The recoveries were within the laboratory-established QC limit for each target analyte.

3.5 ICS RESULTS

The ICS results were within the QC limit of 80 to 120 percent recovery.

3.6 MS/MSD RESULTS

MS and MSD samples were analyzed with the samples and met all QC requirements for accuracy and precision.

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4.0 OVERALL ASSESSMENT OF DATA

Overall, the sample analytical data generated by EnChem are acceptable for use as qualified.

ATTACHMENT
ENCHEM SUMMARY OF ANALYTICAL RESULTS
(75 Sheets)

- Analytical Report -

Project Name : SAM WINER MO
 Project Number : G9009E0112006
 Field ID : 2D1-SWM
 Lab Sample Number : 920509-001
 Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
 Report Date : 3/4/2002
 Collection Date : 2/19/2002
 Matrix Type : WATER
 WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloropropene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dibromo-3-chloropropane	< 1.2	1.2	ug/L		2/26/2002	SW846 8260B
1,2-Dibromoethane	< 0.49	0.49	ug/L		2/26/2002	SW846 8260B
1,2-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,4-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1-Chlorohexane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
2-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Hexanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
4-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
4-Methyl-2-pentanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acrolein	< 20	20	ug/L		2/26/2002	SW846 8260B
Acrylonitrile	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromochloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromodichloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromoform	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 2D1-SWM
Lab Sample Number : 920509-001
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/4/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Bromomethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Carbon disulfide	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Carbon tetrachloride	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorobenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorodibromomethane	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloroethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Chloroform	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis-1,3-Dichloropropene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis1,4-Dichloro-2-butene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Cyclohexanone	<	100	100	ug/L	2/26/2002	SW846 8260B
Dibromomethane	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Dichlorodifluoromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Dichlorofluoromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Diethyl ether	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Ethyl methacrylate	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Ethylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Fluorotrichloromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Hexachlorobutadiene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Iodomethane	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Isopropylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methyl methacrylate	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Methyl-tert-butyl-ether	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methylene chloride	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
n-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
N-Heptane	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
n-Propylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Naphthalene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
p-Isopropyltoluene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
s-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Styrene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
t-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrachloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrahydrofuran	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Toluene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,3-Dichloropropene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,4-Dichloro-2-butene	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Trichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Vinyl acetate	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

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Lab Sample Number : 920509-001
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/4/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Vinyl chloride	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Xylene, o-	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Xylenes, m-, p-	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B

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Project Name : SAM WINER MO
 Project Number : G9009E0112006
 Field ID : 2D2-SWM
 Lab Sample Number : 920509-002
 Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
 Report Date : 3/4/2002
 Collection Date : 2/19/2002
 Matrix Type : WATER
 WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloropropene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dibromo-3-chloropropane	< 1.2	1.2	ug/L		2/26/2002	SW846 8260B
1,2-Dibromoethane	< 0.49	0.49	ug/L		2/26/2002	SW846 8260B
1,2-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
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1,3-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,4-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1-Chlorohexane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
2-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Hexanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
4-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
4-Methyl-2-pentanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acrolein	< 20	20	ug/L		2/26/2002	SW846 8260B
Acrylonitrile	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromochloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromodichloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromoform	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 2D2-SWM
Lab Sample Number : 920509-002
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/4/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Bromomethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Carbon disulfide	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Carbon tetrachloride	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorobenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorodibromomethane	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloroethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Chloroform	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis-1,3-Dichloropropene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis1,4-Dichloro-2-butene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Cyclohexanone	<	100	100	ug/L	2/26/2002	SW846 8260B
Dibromomethane	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Dichlorodifluoromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Dichlorofluoromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Diethyl ether	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Ethyl methacrylate	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Ethylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Fluorotrichloromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Hexachlorobutadiene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Iodomethane	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Isopropylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methyl methacrylate	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Methyl-tert-butyl-ether	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methylene chloride	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
n-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
N-Heptane	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
n-Propylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Naphthalene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
p-Isopropyltoluene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
s-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Styrene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
t-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrachloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrahydrofuran	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Toluene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,3-Dichloropropene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,4-Dichloro-2-butene	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Trichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Vinyl acetate	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/4/2002

Field ID : 2D2-SWM

Collection Date : 2/19/2002

Lab Sample Number : 920509-002

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Vinyl chloride	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Xylene, o-	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Xylenes, m-, p-	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
 Project Number : G9009E0112006
 Field ID : 3D-SWM
 Lab Sample Number : 920509-003
 Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
 Report Date : 3/4/2002
 Collection Date : 2/19/2002
 Matrix Type : WATER
 WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloropropene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dibromo-3-chloropropane	< 1.2	1.2	ug/L		2/26/2002	SW846 8260B
1,2-Dibromoethane	< 0.49	0.49	ug/L		2/26/2002	SW846 8260B
1,2-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,4-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1-Chlorohexane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
2-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Hexanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
4-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
4-Methyl-2-pentanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acrolein	< 20	20	ug/L		2/26/2002	SW846 8260B
Acrylonitrile	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromochloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromodichloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromoform	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 3D-SWM
Lab Sample Number : 920509-003
Lab Project Number : 920509

Submitter : TETRA TECH EM. INC
Report Date : 3/4/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Bromomethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Carbon disulfide	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Carbon tetrachloride	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorobenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorodibromomethane	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloroethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Chloroform	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis-1,4-Dichloro-2-butene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Cyclohexanone	< 100	100	ug/L	2/26/2002	SW846 8260B
Dibromomethane	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Dichlorodifluoromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Dichlorofluoromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Diethyl ether	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Ethyl methacrylate	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Ethylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Fluorotrichloromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Hexachlorobutadiene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Iodomethane	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Isopropylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methyl methacrylate	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Methyl-tert-butyl-ether	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
n-Butylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
N-Heptane	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
n-Propylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Naphthalene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
p-Isopropyltoluene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
s-Butylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Styrene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
t-Butylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrahydrofuran	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Toluene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,4-Dichloro-2-butene	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Vinyl acetate	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/4/2002

Field ID : 3D-SWM

Collection Date : 2/19/2002

Lab Sample Number : 920509-003

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Vinyl chloride	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Xylene, o-	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Xylenes, m-, p-	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 4D-SWM
Lab Sample Number : 920509-004
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/4/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloropropene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dibromo-3-chloropropane	< 1.2	1.2	ug/L		2/26/2002	SW846 8260B
1,2-Dibromoethane	< 0.49	0.49	ug/L		2/26/2002	SW846 8260B
1,2-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,4-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1-Chlorohexane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
2-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Hexanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
4-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
4-Methyl-2-pentanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acrolein	< 20	20	ug/L		2/26/2002	SW846 8260B
Acrylonitrile	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromochloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromodichloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromoform	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/4/2002

Field ID : 4D-SWM

Collection Date : 2/19/2002

Lab Sample Number : 920509-004

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Bromomethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Carbon disulfide	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Carbon tetrachloride	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorobenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorodibromomethane	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloroethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Chloroform	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis1,4-Dichloro-2-butene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Cyclohexanone	< 100	100	ug/L	2/26/2002	SW846 8260B
Dibromomethane	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Dichlorodifluoromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Dichlorofluoromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Diethyl ether	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Ethyl methacrylate	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Ethylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Fluorotrichloromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Hexachlorobutadiene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Iodomethane	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Isopropylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methyl methacrylate	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Methyl-tert-butyl-ether	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
n-Butylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
N-Heptane	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
n-Propylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Naphthalene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
p-Isopropyltoluene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
s-Butylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Styrene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
t-Butylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrahydrofuran	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Toluene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,4-Dichloro-2-butene	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Vinyl acetate	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/4/2002

Field ID : 4D-SWM

Collection Date : 2/19/2002

Lab Sample Number : 920509-004

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Vinyl chloride	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Xylene, o-	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Xylenes, m-, p-	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : RINSATE BALNK
Lab Sample Number : 920509-005
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/4/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloropropene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dibromo-3-chloropropane	< 1.2	1.2	ug/L		2/26/2002	SW846 8260B
1,2-Dibromoethane	< 0.49	0.49	ug/L		2/26/2002	SW846 8260B
1,2-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,4-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1-Chlorohexane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
2-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Hexanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
4-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
4-Methyl-2-pentanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acrolein	< 20	20	ug/L		2/26/2002	SW846 8260B
Acrylonitrile	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromochloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromodichloromethane	2.4	1.0	ug/L		2/26/2002	SW846 8260B
Bromoform	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/4/2002

Field ID : RINSATE BALNK

Collection Date : 2/19/2002

Lab Sample Number : 920509-005

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Bromomethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Carbon disulfide	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Carbon tetrachloride	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorobenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorodibromomethane	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloroethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Chloroform		3.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis-1,3-Dichloropropene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis1,4-Dichloro-2-butene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Cyclohexanone	<	100	100	ug/L	2/26/2002	SW846 8260B
Dibromomethane	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Dichlorodifluoromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Dichlorofluoromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Diethyl ether	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Ethyl methacrylate	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Ethylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Fluorotrichloromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Hexachlorobutadiene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Iodomethane	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Isopropylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methyl methacrylate	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Methyl-tert-butyl-ether	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methylene chloride	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
n-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
N-Heptane	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
n-Propylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Naphthalene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
p-Isopropyltoluene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
s-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Styrene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
t-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrachloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrahydrofuran	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Toluene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,3-Dichloropropene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,4-Dichloro-2-butene	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Trichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Vinyl acetate	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/4/2002

Field ID : RINSATE BALNK

Collection Date : 2/19/2002

Lab Sample Number : 920509-005

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Vinyl chloride	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Xylene, o-	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Xylenes, m-, p-	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : TRIP BLANK
Lab Sample Number : 920509-006
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/4/2002
Collection Date : 2/19/2002
Matrix Type : BLANK
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloropropene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dibromo-3-chloropropane	< 1.2	1.2	ug/L		2/26/2002	SW846 8260B
1,2-Dibromoethane	< 0.49	0.49	ug/L		2/26/2002	SW846 8260B
1,2-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,4-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1-Chlorohexane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
2-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Hexanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
4-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
4-Methyl-2-pentanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acetone	5.5	5.0	ug/L		2/26/2002	SW846 8260B
Acrolein	< 20	20	ug/L		2/26/2002	SW846 8260B
Acrylonitrile	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromochloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromodichloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromoform	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : TRIP BLANK
Lab Sample Number : 920509-006
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/4/2002
Collection Date : 2/19/2002
Matrix Type : BLANK
WI DNR LAB ID : 113172950

Bromomethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Carbon disulfide	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Carbon tetrachloride	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorobenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorodibromomethane	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloroethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Chloroform	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis-1,4-Dichloro-2-butene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Cyclohexanone	< 100	100	ug/L	2/26/2002	SW846 8260B
Dibromomethane	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Dichlorodifluoromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Dichlorofluoromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Diethyl ether	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Ethyl methacrylate	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Ethylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Fluorotrichloromethane	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Hexachlorobutadiene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Iodomethane	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Isopropylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methyl methacrylate	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Methyl-tert-butyl-ether	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
n-Butylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
N-Heptane	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
n-Propylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Naphthalene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
p-Isopropyltoluene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
s-Butylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Styrene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
t-Butylbenzene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrahydrofuran	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Toluene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,4-Dichloro-2-butene	< 5.0	5.0	ug/L	2/26/2002	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Vinyl acetate	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/4/2002

Field ID : TRIP BLANK

Collection Date : 2/19/2002

Lab Sample Number : 920509-006

Matrix Type : BLANK

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Vinyl chloride	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Xylene, o-	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Xylenes, m-, p-	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 1S-SWM
Lab Sample Number : 920509-007
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/4/2002
Collection Date : 2/20/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	< 100	100	ug/L		2/26/2002	SW846 8260B
1,1,1-Trichloroethane	9200	100	ug/L		2/26/2002	SW846 8260B
1,1,2,2-Tetrachloroethane	< 100	100	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichloroethane	< 100	100	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichlorotrifluoroethane	1100	100	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethane	1900	100	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethene	< 100	100	ug/L		2/26/2002	SW846 8260B
1,1-Dichloropropene	< 100	100	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichlorobenzene	< 100	100	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichloropropane	< 100	100	ug/L		2/26/2002	SW846 8260B
1,2,4-Trichlorobenzene	< 100	100	ug/L		2/26/2002	SW846 8260B
1,2,4-Trimethylbenzene	< 100	100	ug/L		2/26/2002	SW846 8260B
1,2-Dibromo-3-chloropropane	< 120	120	ug/L		2/26/2002	SW846 8260B
1,2-Dibromoethane	< 49	49	ug/L		2/26/2002	SW846 8260B
1,2-Dichlorobenzene	1100	100	ug/L		2/26/2002	SW846 8260B
1,2-Dichloroethane	500	100	ug/L		2/26/2002	SW846 8260B
1,2-Dichloropropane	< 100	100	ug/L		2/26/2002	SW846 8260B
1,3,5-Trimethylbenzene	< 100	100	ug/L		2/26/2002	SW846 8260B
1,3-Dichlorobenzene	< 100	100	ug/L		2/26/2002	SW846 8260B
1,3-Dichloropropane	< 100	100	ug/L		2/26/2002	SW846 8260B
1,4-Dichlorobenzene	130	100	ug/L		2/26/2002	SW846 8260B
1-Chlorohexane	< 100	100	ug/L		2/26/2002	SW846 8260B
2,2-Dichloropropane	< 100	100	ug/L		2/26/2002	SW846 8260B
2-Butanone	< 500	500	ug/L		2/26/2002	SW846 8260B
2-Chlorotoluene	< 100	100	ug/L		2/26/2002	SW846 8260B
2-Hexanone	< 500	500	ug/L		2/26/2002	SW846 8260B
4-Chlorotoluene	< 100	100	ug/L		2/26/2002	SW846 8260B
4-Methyl-2-pentanone	< 500	500	ug/L		2/26/2002	SW846 8260B
Acetone	610 ✓	500	ug/L		2/26/2002	SW846 8260B
Acrolein	< 2000	2000	ug/L		2/26/2002	SW846 8260B
Acrylonitrile	< 500	500	ug/L		2/26/2002	SW846 8260B
Benzene	< 100	100	ug/L		2/26/2002	SW846 8260B
Bromobenzene	< 100	100	ug/L		2/26/2002	SW846 8260B
Bromochloromethane	< 100	100	ug/L		2/26/2002	SW846 8260B
Bromodichloromethane	< 100	100	ug/L		2/26/2002	SW846 8260B
Bromoform	< 100	100	ug/L		2/26/2002	SW846 8260B

*Lia (log) ✓
by Nancy McDonald
4/3/02*

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 1S-SWM
Lab Sample Number : 920509-007
Lab Project Number : 920509

Submitter : TETRA TECH EM. INC
Report Date : 3/4/2002
Collection Date : 2/20/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Bromomethane	< 200	200	ug/L	2/26/2002	SW846 8260B
Carbon disulfide	< 100	100	ug/L	2/26/2002	SW846 8260B
Carbon tetrachloride	< 100	100	ug/L	2/26/2002	SW846 8260B
Chlorobenzene	< 100	100	ug/L	2/26/2002	SW846 8260B
Chlorodibromomethane	< 100	100	ug/L	2/26/2002	SW846 8260B
Chloroethane	< 200	200	ug/L	2/26/2002	SW846 8260B
Chloroform	< 100	100	ug/L	2/26/2002	SW846 8260B
Chloromethane	< 200	200	ug/L	2/26/2002	SW846 8260B
cis-1,2-Dichloroethene	360	100	ug/L	2/26/2002	SW846 8260B
cis-1,3-Dichloropropene	< 100	100	ug/L	2/26/2002	SW846 8260B
cis1,4-Dichloro-2-butene	< 100	100	ug/L	2/26/2002	SW846 8260B
Cyclohexanone	< 10000	10000	ug/L	2/26/2002	SW846 8260B
Dibromomethane	< 100	100	ug/L	2/26/2002	SW846 8260B
Dichlorodifluoromethane	< 200	200	ug/L	2/26/2002	SW846 8260B
Dichlorofluoromethane	< 200	200	ug/L	2/26/2002	SW846 8260B
Diethyl ether	< 100	100	ug/L	2/26/2002	SW846 8260B
Ethyl methacrylate	< 500	500	ug/L	2/26/2002	SW846 8260B
Ethylbenzene	1100	100	ug/L	2/26/2002	SW846 8260B
Fluorotrichloromethane	< 200	200	ug/L	2/26/2002	SW846 8260B
Hexachlorobutadiene	< 100	100	ug/L	2/26/2002	SW846 8260B
Iodomethane	< 500	500	ug/L	2/26/2002	SW846 8260B
Isopropylbenzene	< 100	100	ug/L	2/26/2002	SW846 8260B
Methyl methacrylate	< 500	500	ug/L	2/26/2002	SW846 8260B
Methyl-tert-butyl-ether	< 100	100	ug/L	2/26/2002	SW846 8260B
Methylene chloride	5400	100	ug/L	2/26/2002	SW846 8260B
n-Butylbenzene	< 100	100	ug/L	2/26/2002	SW846 8260B
N-Heptane	< 500	500	ug/L	2/26/2002	SW846 8260B
n-Propylbenzene	< 100	100	ug/L	2/26/2002	SW846 8260B
Naphthalene	< 100	100	ug/L	2/26/2002	SW846 8260B
p-Isopropyltoluene	< 100	100	ug/L	2/26/2002	SW846 8260B
s-Butylbenzene	< 100	100	ug/L	2/26/2002	SW846 8260B
Styrene	180	100	ug/L	2/26/2002	SW846 8260B
t-Butylbenzene	< 100	100	ug/L	2/26/2002	SW846 8260B
Tetrachloroethene	230	100	ug/L	2/26/2002	SW846 8260B
Tetrahydrofuran	< 500	500	ug/L	2/26/2002	SW846 8260B
Toluene	17000	100	ug/L	2/26/2002	SW846 8260B
trans-1,2-Dichloroethene	< 100	100	ug/L	2/26/2002	SW846 8260B
trans-1,3-Dichloropropene	< 100	100	ug/L	2/26/2002	SW846 8260B
trans-1,4-Dichloro-2-butene	< 500	500	ug/L	2/26/2002	SW846 8260B
Trichloroethene	6000	100	ug/L	2/26/2002	SW846 8260B
Vinyl acetate	< 100	100	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/4/2002

Field ID : 1S-SWM

Collection Date : 2/20/2002

Lab Sample Number : 920509-007

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Vinyl chloride	<	200	200	ug/L	2/26/2002	SW846 8260B
Xylene, o-		1100	100	ug/L	2/26/2002	SW846 8260B
Xylenes, m-, p-		3300	200	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/4/2002

Field ID : 1D-SWM

Collection Date : 2/20/2002

Lab Sample Number : 920509-008

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloropropene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dibromo-3-chloropropane	< 1.2	1.2	ug/L		2/26/2002	SW846 8260B
1,2-Dibromoethane	< 0.49	0.49	ug/L		2/26/2002	SW846 8260B
1,2-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,4-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1-Chlorohexane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
2-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Hexanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
4-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
4-Methyl-2-pentanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acrolein	< 20	20	ug/L		2/26/2002	SW846 8260B
Acrylonitrile	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromochloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromodichloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromoform	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 1D-SWM
Lab Sample Number : 920509-008
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/4/2002
Collection Date : 2/20/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Bromomethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Carbon disulfide	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Carbon tetrachloride	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorobenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorodibromomethane	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloroethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Chloroform	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis-1,3-Dichloropropene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis1,4-Dichloro-2-butene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Cyclohexanone	<	100	100	ug/L	2/26/2002	SW846 8260B
Dibromomethane	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Dichlorodifluoromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Dichlorofluoromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Diethyl ether	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Ethyl methacrylate	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Ethylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Fluorotrichloromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Hexachlorobutadiene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Iodomethane	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Isopropylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methyl methacrylate	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Methyl-tert-butyl-ether	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methylene chloride	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
n-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
N-Heptane	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
n-Propylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Naphthalene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
p-Isopropyltoluene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
s-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Styrene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
t-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrachloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrahydrofuran	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Toluene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,3-Dichloropropene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,4-Dichloro-2-butene	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Trichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Vinyl acetate	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO Submitter : TETRA TECH EM, INC
Project Number : G9009E0112006 Report Date : 3/4/2002
Field ID : 1D-SWM Collection Date : 2/20/2002
Lab Sample Number : 920509-008 Matrix Type : WATER
Lab Project Number : 920509 WI DNR LAB ID : 113172950

Vinyl chloride	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Xylene, o-	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Xylenes, m-, p-	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
 Project Number : G9009E0112006
 Field ID : FIELD BLANK
 Lab Sample Number : 920509-009
 Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
 Report Date : 3/4/2002
 Collection Date : 2/20/2002
 Matrix Type : WATER
 WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,1-Dichloropropene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,3-Trichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dibromo-3-chloropropane	< 1.2	1.2	ug/L		2/26/2002	SW846 8260B
1,2-Dibromoethane	< 0.49	0.49	ug/L		2/26/2002	SW846 8260B
1,2-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,3-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1,4-Dichlorobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
1-Chlorohexane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2,2-Dichloropropane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
2-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
2-Hexanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
4-Chlorotoluene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
4-Methyl-2-pentanone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Acrolein	< 20	20	ug/L		2/26/2002	SW846 8260B
Acrylonitrile	< 5.0	5.0	ug/L		2/26/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromobenzene	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromochloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromodichloromethane	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B
Bromoform	< 1.0	1.0	ug/L		2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/4/2002

Field ID : FIELD BLANK

Collection Date : 2/20/2002

Lab Sample Number : 920509-009

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Bromomethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Carbon disulfide	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Carbon tetrachloride	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorobenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chlorodibromomethane	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloroethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Chloroform	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Chloromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis-1,3-Dichloropropene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
cis1,4-Dichloro-2-butene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Cyclohexanone	<	100	100	ug/L	2/26/2002	SW846 8260B
Dibromomethane	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Dichlorodifluoromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Dichlorofluoromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Diethyl ether	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Ethyl methacrylate	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Ethylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Fluorotrichloromethane	<	2.0	2.0	ug/L	2/26/2002	SW846 8260B
Hexachlorobutadiene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Iodomethane	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Isopropylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methyl methacrylate	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Methyl-tert-butyl-ether	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Methylene chloride	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
n-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
N-Heptane	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
n-Propylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Naphthalene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
p-Isopropyltoluene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
s-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Styrene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
t-Butylbenzene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrachloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Tetrahydrofuran	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Toluene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,3-Dichloropropene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
trans-1,4-Dichloro-2-butene	<	5.0	5.0	ug/L	2/26/2002	SW846 8260B
Trichloroethene	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B
Vinyl acetate	<	1.0	1.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/4/2002

Field ID : FIELD BLANK

Collection Date : 2/20/2002

Lab Sample Number : 920509-009

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Vinyl chloride	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B
Xylene, o-	< 1.0	1.0	ug/L	2/26/2002	SW846 8260B
Xylenes, m-, p-	< 2.0	2.0	ug/L	2/26/2002	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO	Submitter : TETRA TECH EM, INC
Project Number : G9009E0112006	Report Date : 3/6/2002
Field ID : 2D1-SWM	Collection Date : 2/19/2002
Lab Sample Number : 920509-001	Matrix Type : WATER
Lab Project Number : 920509	WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST		Prep Method: SW846 3510		Prep Date: 2/25/2002		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,2,4-Trichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,2-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,2-Diphenylhydrazine	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,3-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,4-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,2'-oxybis(1-Chloropropane)	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4,5-Trichlorophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4,6-Trichlorophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dichlorophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dimethylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrotoluene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,6-Dinitrotoluene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Chloronaphthalene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Chlorophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Methylnaphthalene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
2-Nitrophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
3,3-Dichlorobenzidine	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
3-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4,6-Dinitro-2-methylphenol	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Bromophenyl phenyl ether	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chloro-3-methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chloroaniline	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chlorophenyl phenyl ether	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Nitrophenoil	< 12	12	ug/L		2/28/2002	SW846 8270C
Acenaphthene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Acenaphthylene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Aniline	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Anthracene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Benzidine	< 24	24	ug/L		2/28/2002	SW846 8270C
Benzo(a)anthracene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Benzo(b)fluoranthene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/6/2002

Field ID : 2D1-SWM

Collection Date : 2/19/2002

Lab Sample Number : 920509-001

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Benzo(g,h,i)perylene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Benzo(k)fluoranthene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Benzoic acid	< 95	95	ug/L	2/28/2002	SW846 8270C
Benzyl alcohol	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethoxy)methane	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethyl)ether	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Ethylhexyl)phthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Butylbenzylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Chrysene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Di-n-butylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Di-n-octylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dibenzo(a,h)anthracene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dibenzofuran	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Diethylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dimethylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Fluoranthene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Fluorene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachlorobenzene	< 1.0	1.0	ug/L	2/28/2002	SW846 8270C
Hexachlorobutadiene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachlorocyclopentadiene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachloroethane	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Indeno(1,2,3-cd)pyrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Isophorone	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitroso-di-n-propylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitrosodimethylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitrosodiphenylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Naphthalene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Nitrobenzene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pentachlorophenol	< 1.0	1.0	ug/L	2/28/2002	SW846 8270C
Phenanthrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Phenol	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pyrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pyridine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 2D2-SWM
Lab Sample Number : 920509-002
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/6/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST

Prep Method: SW846 3510

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,2,4-Trichlorobenzene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
1,2-Dichlorobenzene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
1,2-Diphenylhydrazine	< 4.7	4.7	ug/L		2/26/2002	SW846 8270C
1,3-Dichlorobenzene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
1,4-Dichlorobenzene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2,2'-oxybis(1-Chloropropane)	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2,4,5-Trichlorophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4,6-Trichlorophenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2,4-Dichlorophenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2,4-Dimethylphenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrotoluene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2-Chloronaphthalene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2-Chlorophenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2-Methylnaphthalene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2-Methylphenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
2-Nitrophenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
3,3-Dichlorobenzidine	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
3-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4,5-Dinitro-2-methylphenol	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Bromophenyl phenyl ether	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
4-Chloro-3-methylphenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
4-Chloroaniline	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
4-Chlorophenyl phenyl ether	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
4-Methylphenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
4-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Nitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
Acenaphthene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
Acenaphthylene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
Aniline	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
Anthracene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
Benzidine	< 24	24	ug/L		2/28/2002	SW846 8270C
Benzo(a)anthracene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
Benzo(b)fluoranthene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/6/2002

Field ID : 2D2-SWM

Collection Date : 2/19/2002

Lab Sample Number : 920509-002

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Benzo(g,h,i)perylene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Benzo(k)fluoranthene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Benzoic acid	< 94	94	ug/L	2/28/2002	SW846 8270C
Benzyl alcohol	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethoxy)methane	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethyl)ether	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
bis(2-Ethylhexyl)phthalate	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Butylbenzylphthalate	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Chrysene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Di-n-butylphthalate	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Di-n-octylphthalate	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Dibenzo(a,h)anthracene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Dibenzofuran	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Diethylphthalate	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Dimethylphthalate	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Fluoranthene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Fluorene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Hexachlorobenzene	< 1.0	1.0	ug/L	2/28/2002	SW846 8270C
Hexachlorobutadiene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Hexachlorocyclopentadiene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Hexachloroethane	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Indeno(1,2,3-cd)pyrene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Isophorone	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
N-Nitroso-di-n-propylamine	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
N-Nitrosodimethylamine	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
N-Nitrosodiphenylamine	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Naphthalene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Nitrobenzene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Pentachlorophenol	< 1.0	1.0	ug/L	2/28/2002	SW846 8270C
Phenanthrene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Phenol	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Pyrene	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C
Pyridine	< 4.7	4.7	ug/L	2/28/2002	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 3D-SWM
Lab Sample Number : 920509-003
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/6/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST

Prep Method: SW846 3510

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,2,4-Trichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,2-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,2-Diphenylhydrazine	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,3-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,4-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,2'-oxybis(1-Chloropropane)	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4,5-Trichlorophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4,6-Trichlorophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dichlorophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dimethylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrotoluene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,6-Dinitrotoluene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Chloronaphthalene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Chlorophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Methylnaphthalene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
2-Nitrophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
3,3-Dichlorobenzidine	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
3-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4,6-Dinitro-2-methylphenol	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Bromophenyl phenyl ether	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chloro-3-methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chloroaniline	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chlorophenyl phenyl ether	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Nitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
Acenaphthene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Acenaphthyrene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Aniline	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Anthracene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Benzidine	< 24	24	ug/L		2/28/2002	SW846 8270C
Benzo(a)anthracene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Benzo(b)fluoranthene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/6/2002

Field ID : 3D-SWM

Collection Date : 2/19/2002

Lab Sample Number : 920509-003

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Benzo(g,h,i)perylene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Benzo(k)fluoranthene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Benzoic acid	< 96	96	ug/L	2/28/2002	SW846 8270C
Benzyl alcohol	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethoxy)methane	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethyl)ether	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Ethylhexyl)phthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Butylbenzylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Chrysene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Di-n-butylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Di-n-octylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dibenzo(a,h)anthracene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dibenzofuran	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Diethylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dimethylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Fluoranthene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Fluorene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachlorobenzene	< 1.0	1.0	ug/L	2/28/2002	SW846 8270C
Hexachlorobutadiene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachlorocyclopentadiene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachloroethane	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Indeno(1,2,3-cd)pyrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Isophorone	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitroso-di-n-propylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitrosodimethylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitrosodiphenylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Naphthalene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Nitrobenzene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pentachlorophenol	< 1.0	1.0	ug/L	2/29/2002	SW846 8270C
Phenanthrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Phenol	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pyrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pyridine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/6/2002

Field ID : 4D-SWM

Collection Date : 2/19/2002

Lab Sample Number : 920509-004

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST

Prep Method: SW846 3510

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,2,4-Trichlorobenzene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
1,2-Dichlorobenzene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
1,2-Diphenylhydrazine	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
1,3-Dichlorobenzene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
1,4-Dichlorobenzene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
2,2'-oxybis(1-Chloropropane)	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
2,4,5-Trichlorophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4,6-Trichlorophenol	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
2,4-Dichlorophenol	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
2,4-Dimethylphenol	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrotoluene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
2,6-Dinitrotoluene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
2-Chloronaphthalene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
2-Chlorophenol	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
2-Methylnaphthalene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
2-Methylphenol	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
2-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
2-Nitrophenol	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
3,3-Dichlorobenzidine	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
3-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4,6-Dinitro-2-methylphenol	< 12	12	ug/L		2/28/2002	SWB46 8270C
4-Bromophenyl phenyl ether	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
4-Chloro-3-methylphenol	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
4-Chloroaniline	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
4-Chlorophenyl phenyl ether	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
4-Methylphenol	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
4-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Nitrophenoxy	< 12	12	ug/L		2/28/2002	SW846 8270C
Acenaphthene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
Acenaphthylene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
Aniline	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
Anthracene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
Benzidine	< 24	24	ug/L		2/28/2002	SW846 8270C
Benzo(a)anthracene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C
Benzo(b)fluoranthene	< 4.9	4.9	ug/L		2/28/2002	SW846 8270C

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/6/2002

Field ID : 4D-SWM

Collection Date : 2/19/2002

Lab Sample Number : 920509-004

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Benzo(g,h,i)perylene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Benzo(k)fluoranthene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Benzoic acid	< 97	97	ug/L	2/28/2002	SW846 8270C
Benzyl alcohol	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethoxy)methane	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethyl)ether	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
bis(2-Ethylhexyl)phthalate	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Butylbenzylphthalate	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Chrysene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Di-n-butylphthalate	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Di-n-octylphthalate	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Dibenzo(a,h)anthracene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Dibenzofuran	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Diethylphthalate	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Dimethylphthalate	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Fluoranthene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Fluorene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Hexachlorobenzene	< 1.0	1.0	ug/L	2/28/2002	SW846 8270C
Hexachlorobutadiene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Hexachlorocyclopentadiene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Hexachloroethane	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Indeno(1,2,3-cd)pyrene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Isophorone	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
N-Nitroso-di-n-propylamine	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
N-Nitrosodimethylamine	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
N-Nitrosodiphenylamine	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Naphthalene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Nitrobenzene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Pentachlorophenol	< 1.0	1.0	ug/L	2/28/2002	SW846 8270C
Phenanthrene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Phenol	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Pyrene	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C
Pyridine	< 4.9	4.9	ug/L	2/28/2002	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO
 Project Number : G9009E0112006
 Field ID : RINSATE BALNK
 Lab Sample Number : 920509-005
 Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
 Report Date : 3/6/2002
 Collection Date : 2/19/2002
 Matrix Type : WATER
 WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST

Prep Method: SW846 3510

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,2,4-Trichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,2-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,2-Diphenyldiazine	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,3-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,4-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,2'-oxybis(1-Chloropropane)	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4,5-Trichlorophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4,6-Trichlorophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dichlorophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dimethylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrotoluene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,6-Dinitrotoluene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Chloronaphthalene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Chlorophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Methylnaphthalene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
2-Nitrophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
3,3-Dichlorobenzidine	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
3-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4,6-Dinitro-2-methylphenol	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Bromophenyl phenyl ether	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chloro-3-methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chloroaniline	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chlorophenyl phenyl ether	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Nitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
Acenaphthene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Acenaphthylene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Aniline	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Anthracene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Benzidine	< 24	24	ug/L		2/28/2002	SW846 8270C
Benzo(a)anthracene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Benzo(b)fluoranthene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/6/2002

Field ID : RINSATE BALNK

Collection Date : 2/19/2002

Lab Sample Number : 920509-005

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Benzo(g,h,i)perylene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Benzo(k)fluoranthene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Benzoic acid	< 95	95	ug/L	2/28/2002	SW846 8270C
Benzyl alcohol	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethoxy)methane	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethyl)ether	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Ethylhexyl)phthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Butylbenzylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Chrysene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Di-n-butylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Di-n-octylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dibenzo(a,h)anthracene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dibenzofuran	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Diethylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dimethylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Fluoranthene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Fluorene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachlorobenzene	< 1.0	1.0	ug/L	2/28/2002	SW846 8270C
Hexachlorobutadiene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachlorocyclopentadiene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachloroethane	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Indeno(1,2,3-cd)pyrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Isophorone	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitroso-di-n-propylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitrosodimethylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitrosodiphenylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Naphthalene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Nitrobenzene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pentachlorophenol	< 1.0	1.0	ug/L	2/28/2002	SW846 8270C
Phenanthrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Phenol	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pyrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pyridine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO
 Project Number : G9009E0112006
 Field ID : 1S-SWM
 Lab Sample Number : 920509-007
 Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
 Report Date : 3/6/2002
 Collection Date : 2/20/2002
 Matrix Type : WATER
 WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST

Prep Method: SW846 3510

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,2,4-Trichlorobenzene	< 950	950	ug/L		3/1/2002	SW846 8270C
1,2-Dichlorobenzene	< 950	950	ug/L		3/1/2002	SW846 8270C
1,2-Diphenylhydrazine	< 950	950	ug/L		3/1/2002	SW846 8270C
1,3-Dichlorobenzene	< 950	950	ug/L		3/1/2002	SW846 8270C
1,4-Dichlorobenzene	< 950	950	ug/L		3/1/2002	SW846 8270C
2,2'-oxybis(1-Chloropropane)	< 950	950	ug/L		3/1/2002	SW846 8270C
2,4,5-Trichloropheno!	< 2400	2400	ug/L		3/1/2002	SW846 8270C
2,4,6-Trichloropheno!	< 950	950	ug/L		3/1/2002	SW846 8270C
2,4-Dichloropheno!	< 950	950	ug/L		3/1/2002	SW846 8270C
2,4-Dimethylphenol	< 950	950	ug/L		3/1/2002	SW846 8270C
2,4-Dinitrophenol	< 2400	2400	ug/L		3/1/2002	SW846 8270C
2,4-Dinitrotoluene	< 950	950	ug/L		3/1/2002	SW846 8270C
2,6-Dinitrotoluene	< 950	950	ug/L		3/1/2002	SW846 8270C
2-Chloronaphthalene	< 950	950	ug/L		3/1/2002	SW846 8270C
2-Chloropheno!	< 950	950	ug/L		3/1/2002	SW846 8270C
2-Methylnaphthalene	< 950	950	ug/L		3/1/2002	SW846 8270C
2-Methylphenol	< 950	950	ug/L		3/1/2002	SW846 8270C
2-Nitroaniline	< 2400	2400	ug/L		3/1/2002	SW846 8270C
2-Nitropheno!	< 950	950	ug/L		3/1/2002	SW846 8270C
3,3-Dichlorobenzidine	< 950	950	ug/L		3/1/2002	SW846 8270C
3-Nitroaniline	< 2400	2400	ug/L		3/1/2002	SW846 8270C
4,6-Dinitro-2-methylphenol	< 2400	2400	ug/L		3/1/2002	SW846 8270C
4-Bromophenyl phenyl ether	< 950	950	ug/L		3/1/2002	SW846 8270C
4-Chloro-3-methylphenol	< 950	950	ug/L		3/1/2002	SW846 8270C
4-Chloroaniline	< 950	950	ug/L		3/1/2002	SW846 8270C
4-Chlorophenyl phenyl ether	< 950	950	ug/L		3/1/2002	SW846 8270C
4-Methylphenol	< 950	950	ug/L		3/1/2002	SW846 8270C
4-Nitroaniline	< 2400	2400	ug/L		3/1/2002	SW846 8270C
4-Nitropheno!	< 2400	2400	ug/L		3/1/2002	SW846 8270C
Acenaphthene	< 950	950	ug/L		3/1/2002	SW846 8270C
Acenaphthylene	< 950	950	ug/L		3/1/2002	SW846 8270C
Aniline	< 950	950	ug/L		3/1/2002	SW846 8270C
Anthracene	< 950	950	ug/L		3/1/2002	SW846 8270C
Benzidine	< 4800	4800	ug/L		3/1/2002	SW846 8270C
Benzo(a)anthracene	< 950	950	ug/L		3/1/2002	SW846 8270C
Benzo(b)fluoranthene	< 950	950	ug/L		3/1/2002	SW846 8270C

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 1S-SWM
Lab Sample Number : 920508-007
Lab Project Number : 920508

Submitter : TETRA TECH EM, INC
Report Date : 3/6/2002
Collection Date : 2/20/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Benzo(g,h,i)perylene	< 950	950	ug/L		3/1/2002	SW846 8270C
Benzo(k)fluoranthene	< 950	950	ug/L		3/1/2002	SW846 8270C
Benzoic acid	< 19000	19000	ug/L		3/1/2002	SW846 8270C
Benzyl alcohol	< 950	950	ug/L		3/1/2002	SW846 8270C
bis(2-Chloroethoxy)methane	< 950	950	ug/L		3/1/2002	SW846 8270C
bis(2-Chloroethyl)ether	< 950	950	ug/L		3/1/2002	SW846 8270C
bis(2-Ethylhexyl)phthalate	12000	950	ug/L		3/1/2002	SW846 8270C
Butylbenzylphthalate	< 950	950	ug/L		3/1/2002	SW846 8270C
Chrysene	< 950	950	ug/L		3/1/2002	SW846 8270C
Di-n-butylphthalate	< 950	950	ug/L		3/1/2002	SW846 8270C
Di-n-octylphthalate	< 950	950	ug/L		3/1/2002	SW846 8270C
Dibenzo(a,h)anthracene	< 950	950	ug/L		3/1/2002	SW846 8270C
Dibenzofuran	< 950	950	ug/L		3/1/2002	SW846 8270C
Diethylphthalate	< 950	950	ug/L		3/1/2002	SW846 8270C
Dimethylphthalate	< 950	950	ug/L		3/1/2002	SW846 8270C
Fluoranthene	< 950	950	ug/L		3/1/2002	SW846 8270C
Fluorene	< 950	950	ug/L		3/1/2002	SW846 8270C
Hexachlorobenzene	< 200	200	ug/L		3/1/2002	SW846 8270C
Hexachlorobutadiene	< 950	950	ug/L		3/1/2002	SW846 8270C
Hexachlorocyclopentadiene	< 950	950	ug/L		3/1/2002	SW846 8270C
Hexachloroethane	< 950	950	ug/L		3/1/2002	SW846 8270C
Indeno(1,2,3-cd)pyrene	< 950	950	ug/L		3/1/2002	SW846 8270C
Isophorone	< 950	950	ug/L		3/1/2002	SW846 8270C
N-Nitroso-di-n-propylamine	< 950	950	ug/L		3/1/2002	SW846 8270C
N-Nitrosodimethylamine	< 950	950	ug/L		3/1/2002	SW846 8270C
N-Nitrosodiphenylamine	25000	2900	ug/L	D	3/1/2002	SW846 8270C
Naphthalene	< 950	950	ug/L		3/1/2002	SW846 8270C
Nitrobenzene	< 950	950	ug/L		3/1/2002	SW846 8270C
Pentachlorophenol	< 200	200	ug/L		3/1/2002	SW846 8270C
Phenanthrene	< 950	950	ug/L		3/1/2002	SW846 8270C
Phenol	< 950	950	ug/L		3/1/2002	SW846 8270C
Pyrene	< 950	950	ug/L		3/1/2002	SW846 8270C
Pyridine	< 950	950	ug/L		3/1/2002	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO
 Project Number : G9009E0112006
 Field ID : 1D-SWM
 Lab Sample Number : 920509-008
 Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
 Report Date : 3/6/2002
 Collection Date : 2/20/2002
 Matrix Type : WATER
 WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST

Prep Method: SW846 3510

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,2,4-Trichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,2-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,2-Diphenylhydrazine	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,3-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
1,4-Dichlorobenzene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,2'-oxybis(1-Chloropropane)	< 4.5	4.8	ug/L		2/28/2002	SW846 8270C
2,4,5-Trichlorophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4,6-Trichlorophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dichlorophenol	< 4.5	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dimethylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrotoluene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2,6-Dinitrotoluene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Chloronaphthalene	< 4.5	4.8	ug/L		2/28/2002	SW846 8270C
2-Chlorophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Methylnaphthalene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
2-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
2-Nitrophenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
3,3-Dichlorobenzidine	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
3-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4,6-Dinitro-2-methylphenol	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Bromophenyl phenyl ether	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chloro-3-methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chloroaniline	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Chlorophenyl phenyl ether	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Methylphenol	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
4-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Nitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
Acenaphthene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Acenaphthylene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Aniline	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Anthracene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Benzidine	< 24	24	ug/L		2/28/2002	SW846 8270C
Benzo(a)anthracene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C
Benzo(b)fluoranthene	< 4.8	4.8	ug/L		2/28/2002	SW846 8270C

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 1D-SWM
Lab Sample Number : 920509-008
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/6/2002
Collection Date : 2/20/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Benzo(g,h,i)perylene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Benzo(k)fluoranthene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Benzoic acid	< 95	95	ug/L	2/28/2002	SW846 8270C
Benzyl alcohol	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethoxy)methane	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethyl)ether	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
bis(2-Ethylhexyl)phthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Butylbenzylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Chrysene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Di-n-butylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Di-n-octylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dibenzo(a,h)anthracene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dibenzofuran	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Diethylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Dimethylphthalate	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Fluoranthene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Fluorene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachlorobenzene	< 1.0	1.0	ug/L	2/28/2002	SW846 8270C
Hexachlorobutadiene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachlorocyclopentadiene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Hexachloroethane	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Indeno(1,2,3-cd)pyrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Isophorone	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitroso-di-n-propylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitrosodimethylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
N-Nitrosodiphenylamine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Naphthalene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Nitrobenzene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pentachlorophenol	< 1.0	1.0	ug/L	2/28/2002	SW846 8270C
Phenanthrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Phenol	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pyrene	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C
Pyridine	< 4.8	4.8	ug/L	2/28/2002	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO
 Project Number : G9009E0112006
 Field ID : FIELD BLANK
 Lab Sample Number : 920509-009
 Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
 Report Date : 3/6/2002
 Collection Date : 2/20/2002
 Matrix Type : WATER
 WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST

Prep Method: SW846 3510

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,2,4-Trichlorobenzene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
1,2-Dichlorobenzene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
1,2-Diphenylhydrazine	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
1,3-Dichlorobenzene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
1,4-Dichlorobenzene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2,2'-oxybis(1-Chloropropane)	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2,4,5-Trichlorophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4,6-Trichlorophenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2,4-Dichlorophenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2,4-Dimethylphenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
2,4-Dinitrotoluene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2,6-Dinitrotoluene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2-Chloronaphthalene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2-Chlorophenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2-Methylnaphthalene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2-Methyphenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
2-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
2-Nitrophenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
3,3-Dichlorobenzidine	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
3-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4,6-Dinitro-2-methylphenol	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Bromophenyl phenyl ether	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
4-Chloro-3-methylphenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
4-Chloroaniline	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
4-Chlorophenyl phenyl ether	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
4-Methyphenol	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
4-Nitroaniline	< 12	12	ug/L		2/28/2002	SW846 8270C
4-Nitrophenol	< 12	12	ug/L		2/28/2002	SW846 8270C
Acenaphthene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
Acenaphthylene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
Aniline	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
Anthracene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
Benzidine	< 24	24	ug/L		2/28/2002	SW846 8270C
Benzo(a)anthracene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C
Benzo(b)fluoranthene	< 4.7	4.7	ug/L		2/28/2002	SW846 8270C

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/6/2002

Field ID : FIELD BLANK

Collection Date : 2/20/2002

Lab Sample Number : 920509-009

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Benzo(g,h,i)perylene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Benzo(k)fluoranthene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Benzoic acid	<	94	94	ug/L	2/28/2002	SW846 8270C
Benzyl alcohol	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethoxy)methane	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
bis(2-Chloroethyl)ether	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
bis(2-Ethylhexyl)phthalate	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Butylbenzylphthalate	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Chrysene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Di-n-butylphthalate	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Di-n-octylphthalate	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Dibenzo(a,h)anthracene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Dibenzofuran	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Diethylphthalate	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Dimethylphthalate	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Fluoranthene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Fluorene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Hexachlorobenzene	<	1.0	1.0	ug/L	2/28/2002	SW846 8270C
Hexachlorobutadiene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Hexachlorocyclopentadiene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Hexachloroethane	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Indeno(1,2,3-cd)pyrene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Isophorone	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
N-Nitroso-di-n-propylamine	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
N-Nitrosodimethylamine	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
N-Nitrosodiphenylamine	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Naphthalene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Nitrobenzene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Pentachlorophenol	<	1.0	1.0	ug/L	2/28/2002	SW846 8270C
Phenanthrene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Phenol	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Pyrene	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C
Pyridine	<	4.7	4.7	ug/L	2/28/2002	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 03/07/02

Field ID : 2D1-SWM

Collection Date : 02/19/02

Lab Sample Number : 920509-001

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Semivolatile Organic Results

GC/MS SIM - SEMIVOLATILES

Prep Method: SW846 3510C

Prep Date: 02/25/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Benzo(a)pyrene	< 0.20	0.20	ug/L		02/26/02	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 03/07/02

Field ID : 2D2-SWM

Collection Date : 02/19/02

Lab Sample Number : 920509-002

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Semivolatile Organic Results

GC/MS SIM - SEMIVOLATILES

Prep Method: SW846 3510C

Prep Date: 02/25/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Benzo(a)pyrene	< 0.20	0.20	ug/L		02/27/02	SW846 8270C

NOTE N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 03/07/02

Field ID : 3D-SWM

Collection Date : 02/19/02

Lab Sample Number : 920509-003

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Semivolatile Organic Results

GC/MS SIM - SEMIVOLATILES

Prep Method: SW846 3510C

Prep Date: 02/25/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Benzo(a)pyrene	< 0.20	0.20	ug/L		02/27/02	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 03/07/02

Field ID : 4D-SWM

Collection Date : 02/19/02

Lab Sample Number : 920509-004

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Semivolatile Organic Results

GC/MS SIM - SEMIVOLATILES

Prep Method: SW846 3510C

Prep Date: 02/25/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Benzo(a)pyrene	< 0.20	0.20	ug/L		02/27/02	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 03/07/02

Field ID : RINSATE BLANK

Collection Date : 02/19/02

Lab Sample Number : 920509-005

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Semivolatile Organic Results

GC/MS SIM - SEMIVOLATILES

Prep Method: SW846 3510C

Prep Date: 02/25/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Benzo(a)pyrene	< 0.20	0.20	ug/L		02/27/02	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 1S-SWM
Lab Sample Number : 920509-007
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 03/07/02
Collection Date : 02/20/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

GC/MS SIM - SEMIVOLATILES

Prep Method: SW846 3510C

Prep Date: 02/25/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Benzo(a)pyrene	< 0.20	0.20	ug/L		02/27/02	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 03/07/02

Field ID : 1D-SWM

Collection Date : 02/20/02

Lab Sample Number : 920509-008

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Semivolatile Organic Results

GC/MS SIM - SEMIVOLATILES

Prep Method: SW846 3510C

Prep Date: 02/25/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Benzo(a)pyrene	< 0.20	0.20	ug/L		02/27/02	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 03/07/02

Field ID : FIELD BLANK

Collection Date : 02/20/02

Lab Sample Number : 920509-009

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Semivolatile Organic Results

GC/MS SIM - SEMIVOLATILES

Prep Method: SW846 3510C

Prep Date: 02/25/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Benzo(a)pyrene	< 0.20	0.20	ug/L		02/27/02	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 2D1-SWM
Lab Sample Number : 920509-001
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/5/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method: SW846 3510		Prep Date: 2/25/2002		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1221	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1232	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1242	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1248	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1254	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1260	< 0.50	0.50	ug/L		2/27/2002	SW846 8082

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 2D2-SWM
Lab Sample Number : 920509-002
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/5/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method: SW846 3510		Prep Date: 2/25/2002		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1221	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1232	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1242	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1248	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1254	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1260	< 0.50	0.50	ug/L		2/27/2002	SW846 8082

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 3D-SWM
Lab Sample Number : 920509-003
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/5/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method: SW846 3510		Prep Date: 2/25/2002		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1221	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1232	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1242	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1248	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1254	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1260	< 0.50	0.50	ug/L		2/27/2002	SW846 8082

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 4D-SWM
Lab Sample Number : 920509-004
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/5/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method: SW846 3510		Prep Date: 2/25/2002		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1221	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1232	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1242	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1248	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1254	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1260	< 0.50	0.50	ug/L		2/27/2002	SW846 8082

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G8009E0112006
Field ID : RINSATE BALNK
Lab Sample Number : 920509-005
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/5/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3510

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1221	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1232	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1242	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1248	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1254	< 0.50	0.50	ug/L		2/27/2002	SW846 8082
Aroclor 1260	< 0.50	0.50	ug/L		2/27/2002	SW846 8082

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 1S-SWM
Lab Sample Number : 920509-007
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/5/2002
Collection Date : 2/20/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method: SW846 3510		Prep Date: 2/25/2002		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.50	0.50	ug/L		3/1/2002	SW846 8082
Aroclor 1221	< 0.50	0.50	ug/L		3/1/2002	SW846 8082
Aroclor 1232	< 0.50	0.50	ug/L		3/1/2002	SW846 8082
Aroclor 1242	< 0.50	0.50	ug/L		3/1/2002	SW846 8082
Aroclor 1248	< 0.50	0.50	ug/L		3/1/2002	SW846 8082
Aroclor 1254	< 0.50	0.50	ug/L		3/1/2002	SW846 8082
Aroclor 1260	< 0.50	0.50	ug/L		3/1/2002	SW846 8082

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 1D-SWM
Lab Sample Number : 920509-008
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/5/2002
Collection Date : 2/20/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method: SW846 3510		Prep Date: 2/25/2002		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1221	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1232	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1242	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1248	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1254	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1260	< 0.50	0.50	ug/L		2/28/2002	SW846 8082

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : FIELD BLANK
Lab Sample Number : 920509-009
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/5/2002
Collection Date : 2/20/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3510

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1221	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1232	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1242	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1248	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1254	< 0.50	0.50	ug/L		2/28/2002	SW846 8082
Aroclor 1260	< 0.50	0.50	ug/L		2/26/2002	SW846 8082

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 2D1-SWM
Lab Sample Number : 920509-001
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/6/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

ORGANOCHLORINE PESTICIDE LIST

Prep Method: SW846 3510C

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDE	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDT	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Aldrin	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
beta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
delta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Dieldrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan I	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Endosulfan II	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan sulfate	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin aldehyde	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin ketone	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
gamma-BHC (Lindane)	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
gamma-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor epoxide	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Methoxychlor	< 0.47	0.47	ug/L		2/27/2002	SW846 8081A
Toxaphene	< 3.0	3.0	ug/L		2/27/2002	SW846 8081A

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 2D2-SWM
Lab Sample Number : 920509-002
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/6/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

ORGANOCHLORINE PESTICIDE LIST

Prep Method: SW846 3510C

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDE	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDT	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Aldrin	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
beta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
delta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Dieldrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan I	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Endosulfan II	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan sulfate	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin aldehyde	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin ketone	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
gamma-BHC (Lindane)	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
gamma-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor epoxide	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Methoxychlor	< 0.47	0.47	ug/L		2/27/2002	SW846 8081A
Toxaphene	< 3.0	3.0	ug/L		2/27/2002	SW846 8081A

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 3D-SWM
Lab Sample Number : 920509-003
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/6/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

ORGANOCHLORINE PESTICIDE LIST

Prep Method: SW846 3510C

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDE	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDT	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Aldrin	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
beta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
delta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Dieldrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan I	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Endosulfan II	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan sulfate	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin aldehyde	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin ketone	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
gamma-BHC (Lindane)	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
gamma-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor epoxide	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Methoxychlor	< 0.47	0.47	ug/L		2/27/2002	SW846 8081A
Toxaphene	< 3.0	3.0	ug/L		2/27/2002	SW846 8081A

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 4D-SWM
Lab Sample Number : 920509-004
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/6/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

ORGANOCHLORINE PESTICIDE LIST

Prep Method: SW846 3510C

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDE	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDT	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Aldrin	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
beta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
delta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Dieldrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan I	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Endosulfan II	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan sulfate	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin aldehyde	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin ketone	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
gamma-BHC (Lindane)	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
gamma-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor epoxide	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Methoxychlor	< 0.47	0.47	ug/L		2/27/2002	SW846 8081A
Toxaphene	< 3.0	3.0	ug/L		2/27/2002	SW846 8081A

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : RINSATE BALNK
Lab Sample Number : 920509-005
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/6/2002
Collection Date : 2/19/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

ORGANOCHLORINE PESTICIDE LIST

Prep Method: SW846 3510C

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDE	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDT	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Aldrin	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
beta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
delta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Dieldrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan I	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Endosulfan II	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Enaosulfan sulfate	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin aldehyde	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin ketone	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
gamma-BHC (Lindane)	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
gamma-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor epoxide	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Methoxychlor	< 0.47	0.47	ug/L		2/27/2002	SW846 8081A
Toxaphene	< 3.0	3.0	ug/L		2/27/2002	SW846 8081A

- Analytical Report -

Project Name : SAM WINER MO
 Project Number : G9009E0112006
 Field ID : 1S-SWM
 Lab Sample Number : 920509-007
 Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
 Report Date : 3/6/2002
 Collection Date : 2/20/2002
 Matrix Type : WATER
 WI DNR LAB ID : 113172950

Semivolatile Organic Results

ORGANOCHLORINE PESTICIDE LIST

Prep Method: SW846 3510C

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDE	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDT	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Aldrin	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-Chlordane	0.072	0.047	ug/L	✓ 3	2/27/2002	SW846 8081A
beta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
delta-BHC	0.21	0.047	ug/L	✓ 3	2/27/2002	SW846 8081A
Dieldrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan I	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Endosulfan II	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan sulfate	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin aldehyde	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin ketone	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
gamma-BHC (Lindane)	< 0.16	0.16	ug/L	✓ 3	2/27/2002	SW846 8081A
gamma-Chlordane	0.072	0.047	ug/L	✓ 3	2/27/2002	SW846 8081A
Heptachlor	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor epoxide	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Methoxychlor	< 0.47	0.47	ug/L		2/27/2002	SW846 8081A
Toxaphene	< 3.0	3.0	ug/L		2/27/2002	SW846 8081A

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- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/6/2002

Field ID : 1D-SWM

Collection Date : 2/20/2002

Lab Sample Number : 920509-008

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Semivolatile Organic Results

ORGANOCHLORINE PESTICIDE LIST

Prep Method: SW846 3510C

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DD	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDE	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDT	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Aldrin	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
beta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
delta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Dieldrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan I	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Endosulfan II	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan sulfate	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin aldehyde	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin ketone	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
gamma-BHC (Lindane)	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
gamma-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor epoxide	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Methoxychlor	< 0.47	0.47	ug/L		2/27/2002	SW846 8081A
Toxaphene	< 3.0	3.0	ug/L		2/27/2002	SW846 8081A

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : FIELD BLANK
Lab Sample Number : 920509-009
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/6/2002
Collection Date : 2/20/2002
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

ORGANOCHLORINE PESTICIDE LIST

Prep Method: SW846 3510C

Prep Date: 2/25/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDE	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
4,4'-DDT	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Aldrin	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
alpha-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
beta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
delta-BHC	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Dieldrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan I	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Endosulfan II	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endosulfan sulfate	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin aldehyde	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
Endrin ketone	< 0.094	0.094	ug/L		2/27/2002	SW846 8081A
gamma-BHC (Lindane)	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
gamma-Chlordane	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Heptachlor epoxide	< 0.047	0.047	ug/L		2/27/2002	SW846 8081A
Methoxychlor	< 0.47	0.47	ug/L		2/27/2002	SW846 8081A
Toxaphene	< 3.0	3.0	ug/L		2/27/2002	SW846 8081A

- Analytical Report -

Project Name : SAM WINER MO
Project Number : G9009E0112006
Field ID : 2D1-SWM
Lab Sample Number : 920509-001
Lab Project Number : 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/14/02
Collection Date : 2/19/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum	< 200	200	ug/L		3/5/02	SW846 3015	SW846 6020
Antimony	< 6.0	6.0	ug/L		3/5/02	SW846 3015	SW846 6020
Arsenic	< 10	10	ug/L		3/5/02	SW846 3015	SW846 6020
Barium	93	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Beryllium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cadmium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Calcium	170000	1000	ug/L		3/11/02	SW846 3015	SW846 6020
Chromium	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cobalt	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Copper	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Iron	1600	50	ug/L		3/5/02	SW846 3015	SW846 6020
Lead	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Magnesium	52000	300	ug/L		3/11/02	SW846 3015	SW846 6020
Manganese	91	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Mercury	< 0.20	0.20	ug/L		2/28/02	SW846 7470A	SW846 7470A
Nickel	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Potassium	6500	100	ug/L		3/11/02	SW846 3015	SW846 6020
Selenium	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Silver	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Sodium	47000	3000	ug/L		3/11/02	SW846 3015	SW846 6020
Thallium	< 2.0	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Vanadium	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Zinc	< 20	20	ug/L		3/5/02	SW846 3015	SW846 6020

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/14/02

Field ID : 2D2-SWM

Collection Date : 2/19/02

Lab Sample Number : 920509-002

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum	< 200	200	ug/L		3/5/02	SW846 3015	SW846 6020
Antimony	< 6.0	6.0	ug/L		3/5/02	SW846 3015	SW846 6020
Arsenic	< 10	10	ug/L		3/5/02	SW846 3015	SW846 6020
Barium	93	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Beryllium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cadmium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Calcium	170000	100	ug/L		3/11/02	SW846 3015	SW846 6020
Chromium	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cobalt	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Copper	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Iron	1600	50	ug/L		3/5/02	SW846 3015	SW846 6020
Lead	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Magnesium	49000	30	ug/L		3/11/02	SW846 3015	SW846 6020
Manganese	90	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Mercury	< 0.20	0.20	ug/L		2/28/02	SW846 7470A	SW846 7470A
Nickel	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Potassium	6800	100	ug/L		3/11/02	SW846 3015	SW846 6020
Selenium	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Silver	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Sodium	46000	300	ug/L		3/11/02	SW846 3015	SW846 6020
Thallium	< 2.0	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Vanadium	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Zinc	< 20	20	ug/L		3/5/02	SW846 3015	SW846 6020

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/14/02

Field ID : 3D-SWM

Collection Date : 2/19/02

Lab Sample Number : 920509-003

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum	< 200	200	ug/L		3/5/02	SW846 3015	SW846 6020
Antimony	< 6.0	6.0	ug/L		3/5/02	SW846 3015	SW846 6020
Arsenic	< 10	10	ug/L		3/5/02	SW846 3015	SW846 6020
Barium	54	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Beryllium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cadmium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Calcium	170000	100	ug/L		3/11/02	SW846 3015	SW846 6020
Chromium	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cobalt	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Copper	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Iron	1100	50	ug/L		3/5/02	SW846 3015	SW846 6020
Lead	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Magnesium	40000	30	ug/L		3/11/02	SW846 3015	SW846 6020
Manganese	68	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Mercury	< 0.20	0.20	ug/L		2/28/02	SW846 7470A	SW846 7470A
Nickel	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Potassium	3100	100	ug/L		3/11/02	SW846 3015	SW846 6020
Selenium	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Silver	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Sodium	21000	300	ug/L		3/11/02	SW846 3015	SW846 6020
Thallium	< 2.0	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Vanadium	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Zinc	< 20	20	ug/L		3/5/02	SW846 3015	SW846 6020

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/14/02

Field ID : 4D-SWM

Collection Date : 2/19/02

Lab Sample Number : 920509-004

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum	< 200	200	ug/L		3/5/02	SW846 3015	SW846 6020
Antimony	< 6.0	6.0	ug/L		3/5/02	SW846 3015	SW846 6020
Arsenic	< 10	10	ug/L		3/5/02	SW846 3015	SW846 6020
Barium	74	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Beryllium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cadmium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Calcium	160000	100	ug/L		3/11/02	SW846 3015	SW846 6020
Chromium	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cobalt	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Copper	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Iron	1400	50	ug/L		3/5/02	SW846 3015	SW846 6020
Lead	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Magnesium	40000	30	ug/L		3/11/02	SW846 3015	SW846 6020
Manganese	62	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Mercury	< 0.20	0.20	ug/L		2/28/02	SW846 7470A	SW846 7470A
Nickel	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Potassium	4000	100	ug/L		3/11/02	SW846 3015	SW846 6020
Selenium	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Silver	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Sodium	16000	300	ug/L		3/11/02	SW846 3015	SW846 6020
Thallium	< 2.0	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Vanadium	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Zinc	61	20	ug/L		3/5/02	SW846 3015	SW846 6020

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/14/02

Field ID : RINSATE BLANK

Collection Date : 2/19/02

Lab Sample Number : 920509-005

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum	< 200	200	ug/L		3/5/02	SW846 3015	SW846 6020
Antimony	< 6.0	6.0	ug/L		3/5/02	SW846 3015	SW846 6020
Arsenic	< 10	10	ug/L		3/5/02	SW846 3015	SW846 6020
Barium	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Beryllium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cadmium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Calcium	< 100	100	ug/L		3/11/02	SW846 3015	SW846 6020
Chromium	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cobalt	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Copper	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Iron	< 50	50	ug/L		3/5/02	SW846 3015	SW846 6020
Lead	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Magnesium	< 30	30	ug/L		3/11/02	SW846 3015	SW846 6020
Manganese	< 2.0	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Mercury	< 0.20	0.20	ug/L		2/28/02	SW846 7470A	SW846 7470A
Nickel	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Potassium	< 100	100	ug/L		3/11/02	SW846 3015	SW846 6020
Selenium	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Silver	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Sodium	3300	300	ug/L		3/11/02	SW846 3015	SW846 6020
Thallium	< 2.0	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Vanadium	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Zinc	< 20	20	ug/L		3/5/02	SW846 3015	SW846 6020

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/14/02

Field ID : 1S-SWM

Collection Date : 2/20/02

Lab Sample Number : 920509-007

Matrix Type : WATER

Lab Project Number : 920509

WIDNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum	< 200	200	ug/L		3/5/02	SW846 3015	SW846 6020
Antimony	< 6.0	6.0	ug/L		3/5/02	SW846 3015	SW846 6020
Arsenic	< 10	10	ug/L		3/5/02	SW846 3015	SW846 6020
Barium	110	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Beryllium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cadmium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Calcium	150000	100	ug/L		3/11/02	SW846 3015	SW846 6020
Chromium	3.4	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cobalt	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Copper	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Iron	780	50	ug/L		3/5/02	SW846 3015	SW846 6020
Lead	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Magnesium	27000	30	ug/L		3/11/02	SW846 3015	SW846 6020
Manganese	700	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Mercury	< 0.20	0.20	ug/L		2/28/02	SW846 7470A	SW846 7470A
Nickel	7.9	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Potassium	12000	100	ug/L		3/11/02	SW846 3015	SW846 6020
Selenium	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Silver	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Sodium	89000	300	ug/L		3/11/02	SW846 3015	SW846 6020
Thallium	< 2.0	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Vanadium	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Zinc	68	20	ug/L		3/5/02	SW846 3015	SW846 6020

- Analytical Report -

Project Name : SAM WINER MC

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/14/02

Field ID : 1D-SWM

Collection Date : 2/20/02

Lab Sample Number : 920509-008

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum	< 200	200	ug/L		3/5/02	SW846 3015	SW846 6020
Antimony	< 6.0	6.0	ug/L		3/5/02	SW846 3015	SW846 6020
Arsenic	< 10	10	ug/L		3/5/02	SW846 3015	SW846 6020
Barium	110	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Beryllium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cadmium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Calcium	120000	100	ug/L		3/11/02	SW846 3015	SW846 6020
Chromium	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cobalt	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Copper	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Iron	950	50	ug/L		3/5/02	SW846 3015	SW846 6020
Lead	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Magnesium	34000	30	ug/L		3/11/02	SW846 3015	SW846 6020
Manganese	74	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Mercury	< 0.20	0.20	ug/L		2/28/02	SW846 7470A	SW846 7470A
Nickel	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Potassium	4900	100	ug/L		3/11/02	SW846 3015	SW846 6020
Selenium	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Silver	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Sodium	39000	300	ug/L		3/11/02	SW846 3015	SW846 6020
Thallium	< 2.0	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Vanadium	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Zinc	43	20	ug/L		3/5/02	SW846 3015	SW846 6020

- Analytical Report -

Project Name : SAM WINER MO

Submitter : TETRA TECH EM, INC

Project Number : G9009E0112006

Report Date : 3/14/02

Field ID : FIELD BLANK

Collection Date : 2/20/02

Lab Sample Number : 920509-009

Matrix Type : WATER

Lab Project Number : 920509

WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum	< 200	200	ug/L		3/5/02	SW846 3015	SW846 6020
Antimony	< 6.0	6.0	ug/L		3/5/02	SW846 3015	SW846 6020
Arsenic	< 10	10	ug/L		3/5/02	SW846 3015	SW846 6020
Barium	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Beryllium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cadmium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Calcium	< 100	100	ug/L		3/11/02	SW846 3015	SW846 6020
Chromium	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cobalt	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Copper	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Iron	< 50	50	ug/L		3/5/02	SW846 3015	SW846 6020
Lead	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Magnesium	< 30	30	ug/L		3/11/02	SW846 3015	SW846 6020
Manganese	< 2.0	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Mercury	< 0.20	0.20	ug/L		2/28/02	SW846 7470A	SW846 7470A
Nickel	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Potassium	< 100	100	ug/L		3/11/02	SW846 3015	SW846 6020
Selenium	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Silver	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Sodium	3200	300	ug/L		3/11/02	SW846 3015	SW846 6020
Thallium	< 2.0	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Vanadium	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Zinc	< 20	20	ug/L		3/5/02	SW846 3015	SW846 6020